

# TIE-0250x concurrency mandatory projects

## Project 3: Therac-article, spring 2018

2018-04-18: page title was wrong (project 1). Corrected to prj3-therac.

2018-02-20: published

This document contains description for one project, remember also to read [the general information about the course projects](#).

### 1. Problem description

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The main points in this project are:

- Read an article about a topic tied to the course
- Write a summary and commentary about the topic

### 2. Therac-25

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[Therac-25](#) is a sad example of a technical machine, which has killed people by bad software design and implementation.

Read the article describing the system ([local copy](#)) and based on that write a summary about the concurrency problems in the system. Also write a commentary/opinion about:

1. Based on the system description and our course topics - could you fix the software? How confident you'd be on your fix? (Would you let the machine running your fix treat you?)
2. If you'd be allowed to change any part of the system (and money is no issue), what fixes would you implement?

#### Submission

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Create ONE document in PDF format and save it to your group's GIT. General submission rules define how you submit your work from GIT to the Repolainen submission system.

### 3. Problems?

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Send any questions about the project to the course email: [rinn@tut.fi](mailto:rinn@tut.fi)